

## CERTIFICATE OF ANALYSIS

**PRODUCT NAME : SODIUM HYDROGEN CARBONATE AR**  
(Confirming to IP & BP)

**CAS No : 144-55-8**

**Product code : 25780**

**Mol. Formula : NaHCO<sub>3</sub>**

**Batch No. : MCRT-29202**

**Mol. WT : 84.01**

**Mfd. : Sept. 2023**

**Date of analysis : 02/09/23**

**Exp. : Aug. 2028**

S.R	Test	Specification	Observation
1	<b>Description</b>	White powder or crystalline powder.	White powder.
2	<b>Assay</b>	99.5-100.2% w/w	99.70% w/w
3	<b>pH(5% aq.solution)</b>	NMT 8.4	8.11
4	<b>Water insoluble matter</b>	0.01% max	0.003%
5	<b>Chloride (Cl)</b>	0.001% max	<0.001%
6	<b>Nitrogen compounds (N)</b>	0.001% max	<0.001%
7	<b>Phosphate (PO<sub>4</sub>)</b>	0.005% max	<0.005%
8	<b>Silicate (SiO<sub>2</sub>)</b>	0.005% max	<0.005%
9	<b>Sulphate (SO<sub>4</sub>)</b>	0.003% max	<0.003%
10	<b>Calcium (Ca)</b>	0.005% max	<0.005%
11	<b>Copper (Cu)</b>	0.0002% max	<0.0002%
12	<b>Iron(Fe)</b>	0.0005% max	<0.0005%
13	<b>Lead(Pb)</b>	0.0005% max	<0.0005%
14	<b>Magnesium (Mg)</b>	0.005% max	<0.005%
15	<b>Potassium (K)</b>	0.005% max	<0.005%
16	<b>Arsenic (As)</b>	0.0002% max	<0.0002%
17	<b>Substances reducing Iodine (I)</b>	0.0065% max	<0.0065%

**REMARK:** THE PRODUCT COMPLIES WITH THE ABOVE SPECIFICATIONS

**[Tested By]**

**[QC Incharge]**

**CHEMIST  
(Priyanka)**

**HEAD-QUALITY ASSURANCE  
(G.G.Salian)**

**Note:** Computer generated image requires no sign.

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